Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/27/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124922	-1	2.26	124990	2.26
Blue	F	SSC	125000	124285	-1	1.49	124943	1.49
Blue	E	FITC	15760	15482	-2	2.90	335	22.33
Blue	D	PE	25880	25385	-2	1.94	551	16.98
Blue	B	PerCP-Cy5-5	34075	34062	-1	4.31	1035	22.73
Blue	A	PE-Cy7	22776	22899	0	7.39	551	45.27
Red	C	APC	42488	41487	-3	2.81	1569	13.86
Red	A	APC-Cy7	24478	23930	-3	2.94	820	13.15
Violet	B	V450	6304	6050	-5	4.05	339	17.73
Violet	A	V500	26005	24911	-5	3.64	581	13.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20705	9.06	606	9	N/A	N/A	Pass
Blue	F	SSC	56163	1.08	572	17	N/A	N/A	Pass
Blue	E	FITC	58	74.13	562	6	0.0159	197	Pass
Blue	D	PE	115	57.86	556	7	0.1215	277	Pass
Blue	B	PerCP-Cy5-5	195	56.53	656	9	0.0075	101	Pass
Blue	A	PE-Cy7	108	113.60	710	13	0.0092	32	Pass
Red	C	APC	370	29.08	604	4	0.0182	116	Pass
Red	A	APC-Cy7	201	28.95	576	5	0.0046	965	Pass
Violet	B	V450	54	82.93	492	3	0.0284	2606	Pass
Violet	A	V500	87	46.82	509	3	0.0126	1124	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.32	-30.77	0.92
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.62	13.60 - 20.40	N/A	N/A	30.53	31.26	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9646

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments